

ABSTRACT

(Object) To provide an underground water storage tank which rarely causes water leakage, and which largely increases an amount of water to be stored therein.

(Solving Means) An underground water storage tank comprising: an internal water storage sub-tank 11 provided by coating an assembly of water-bearing materials 12 obtained by combining multiple water-bearing materials 12 with one another with a first water-impermeable sheet 14; soil pressure absorption plates 26 provided outside the internal water storage sub-tank 11; and a second water-impermeable sheet 27 for coating the soil pressure absorption plates 26. The water-bearing materials are rigid pipes 12 made of resin, respectively; and the assembly of the water-bearing materials is formed by mutually and parallelizingly coupling the multiple rigid pipes 12 by pipe coupling means 13 in a state that the multiple rigid pipes 12 are vertically set and arranged at predetermined intervals therebetween in a horizontal direction. The underground water storage tank further comprises rod-like steel materials 23 vertically piled underground; and applicable ones of the rigid pipes 12 are fitted on and affixed to the rod-like steel materials 23, respectively, so that the assembly of the water-bearing materials is fixed to the rod-like steel materials 23. The internal water storage sub-tank 11 comprises multiple internal water storage sub-tanks 11 provided in a

horizontal direction with inter-tank cushioning materials 24 interposed therebetween, respectively; and the second water-impermeable sheet 27 is continuously established to coat the multiple internal water storage sub-tanks 11.

(Selected Figure) FIG. 1